

MDA 4V SDI

Four Output SDI Serial Digital Interface Mini Distribution Amplifier



FEATURES

- **Input:** One equalized input on female BNC connector
- **Outputs:** Four buffered and re-clocked outputs on female BNC connectors
- Accepts SMPTE 259M Serial Digital Video
- Recognizes NTSC, PAL, component 4:2:2, and widescreen 4:2:2 digital video standards
- Automatic cable equalization typically equalizes greater than 1,000 feet (300 meters) at 270 Mbps
- Rack, under-desk, and projector-mountable, four per rack
- External universal power supply included, part # 70-055-01

DESCRIPTION

The Extron **MDA 4V SDI** Mini Distribution Amplifier is part of the VersaTools® line of economical, compact products that feature a quarter rack width enclosure. The MDA 4V SDI is a four output distribution amplifier that accepts SMPTE-259M Serial Digital Video on a female BNC connector and amplifies the buffered and re-clocked output. It will automatically recognize PAL, NTSC, component 4:2:2, and widescreen 4:2:2 digital video standards. Automatic cable equalization typically equalizes greater than 1,000 feet (300 meters) at 270 Mbps through Extron RG6 or equivalent high quality cable.

The MDA 4V SDI is rack or under-desk mountable and comes with an external power supply. Its small size makes it the ideal solution for easy integration into both new and existing A/V systems including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments.

VIDEO INPUT

Number / Signal type	1 SMPTE-259M serial digital component video
Connectors	1 BNC female
Nominal level	0.8 Vp-p
Minimum / Maximum levels ..	0.5 V to 1 Vp-p with no offset
Impedance	75 ohms
Return loss	<-15 dB @ 5 to 270 MHz
Maximum DC offset	5 V (AC coupled)

VIDEO OUTPUT

Number / Signal type	4 relocked SMPTE-259M serial digital component video
Connectors	4 BNC female
Nominal level	0.8 Vp-p
Minimum / Maximum levels ..	0.5 V to 1.0 Vp-p
Impedance	75 ohms
Return loss	<-25 dB @ 5 MHz
DC offset	±5 mV maximum with input at 0 offset

SYNC

Standards	4 _{fs} NTSC, 4 _{fs} PAL, SMPTE-259M
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GENERAL

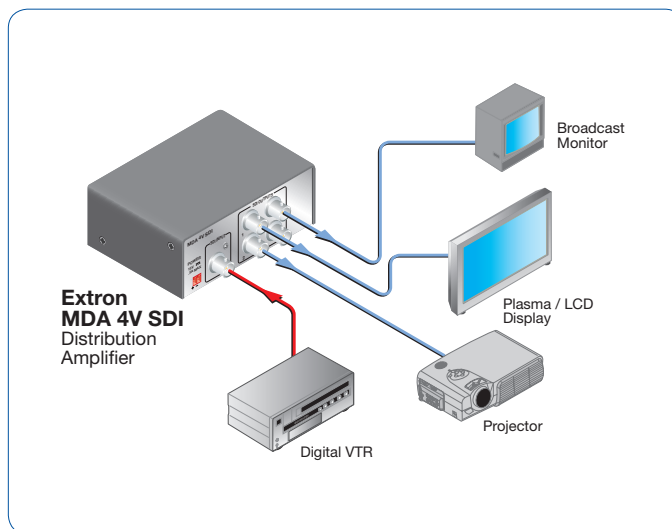
External power supply	100 VAC to 240 VAC, 50/60 Hz, external, universal; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.4 A (max.)
Temperature / Humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01, or 60-604-01; or the VersaTools® rack shelf, part #60-190-20 or 60-604-20
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.2 cm H x 11.0 cm W x 7.6 cm D (Depth excludes connectors and knobs.)
Product weight	0.5 lbs (0.2 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO

Gain	Unity
Resolution	8 or 10 bits, automatic
Operation standards	143 Mb/s (4 _{fs} NTSC) 177 Mb/s (4 _{fs} PAL) 270 Mb/s (4:2:2 component video) 360 Mb/s (4:2:2 widescreen component video), autoselected
Equalization and re-clocking ..	Automatic for up to 30 dB of cable loss



MODEL	VERSION DESCRIPTION	PART #	
MDA 4V SDI	1x4 Serial Digital- SDI	60-448-01	
OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
RSU 129	1U 9.5" Deep Universal Rack Shelf Kit	page 819	60-190-01
RSF 123	1U 3.5" Deep VersaTools® Rack Shelf Kit	page 818	60-190-20
RSB 129	1U 9.5" Deep Basic Rack Shelf	page 820	60-604-01